

Main Difficulties in Teaching Chemistry in Secondary Schools

TEACHERS' CASE STUDY

Teacher's Case Study N.: 8

Name, Subject Taught, Place: *H, drinking water production, CVUT Prague*

Description of the Case Study

Main difficulties in chemistry learning at school: *Many formulas that need memorizing. It is also difficult to learn how to use some instruments and equipment so there is not enough time to learn it properly*

Main difficulties in chemistry teaching at school: *Large number of students plus bad knowledge of basic topics in other connected subjects like math and physics*

Identification of the main reasons why students do not choose to continue learning scientific subjects and chemistry in particular: *It is more difficult subject than the others, requires a lot of preparation and learning*

Identification of strategies to raise the number of students choosing to learn scientific subjects in higher education: *One has to love chemistry really a lot at the secondary school to choose it at the university level. It is the teacher's task to make students to fall for it. Much better textbooks are also necessary.*

Description of initiatives known in the field of promoting lifelong learning: *Summer school ICT Prague, Faculty of Education LLL programme*

Involvement in initiatives in the field of promoting lifelong learning: *No*

Suggestions: *Better motivation a reputation of scientific subjects is necessary. There are only few really enthusiastic students..*